



# Scottish Water Kippford Wastewater upgrades

### Agenda

- Meet the team
- Summarising the need
- Update on the temporary equipment at the existing works
  - 10 mins discussion
- Update on the permanent works
  - 20 mins discussion
- Further discussion
  - Any further questions
  - How to keep you up to date

## Getting the most out of this session

- Microphones off
- Hands up button
- Chat box on the right if you would rather type
- Try to avoid speaking over one another
- This is still a fairly new form of engagement, so please bear with us

## Meet the team

Sharon McCaffrey – Project Manager– ESD (Delivery team)

Caroline Mckenzie – Customer Manager – ESD (Delivery team)

Scott Fraser – Corporate Affairs Regional Manager – Scottish Water

Patricia Melly – Project Oversight – Scottish Water

Jim Tudhope – Project Manager – Scottish Water (Temporary works)

## Summary of the need behind the project

- Rockcliffe Bathing Water has been regularly classified as poor since regulations were updated in 2015
- If there are 5 consecutive poor ratings, the Bathing Water could be declassified or signs installed recommending against bathing
- Through modelling the sources of pollution, we believe upgrades at Kippford Wastewater Treatment Works will improve bathing water quality

## Kippford Wastewater Works

- Built in the 1970's on reclaimed land
- Primary treatment with no disinfection
- Not able to cope with seasonal fluctuations in population
- Cannot treat the waste enough for the Bathing Water
- No scope to put a permanent solution in its place due to the space available at the site



### 1) Interim equipment at the existing site

- Adds extra treatment
- Chemically disinfects the waste
- Returns the waste safely to the environment

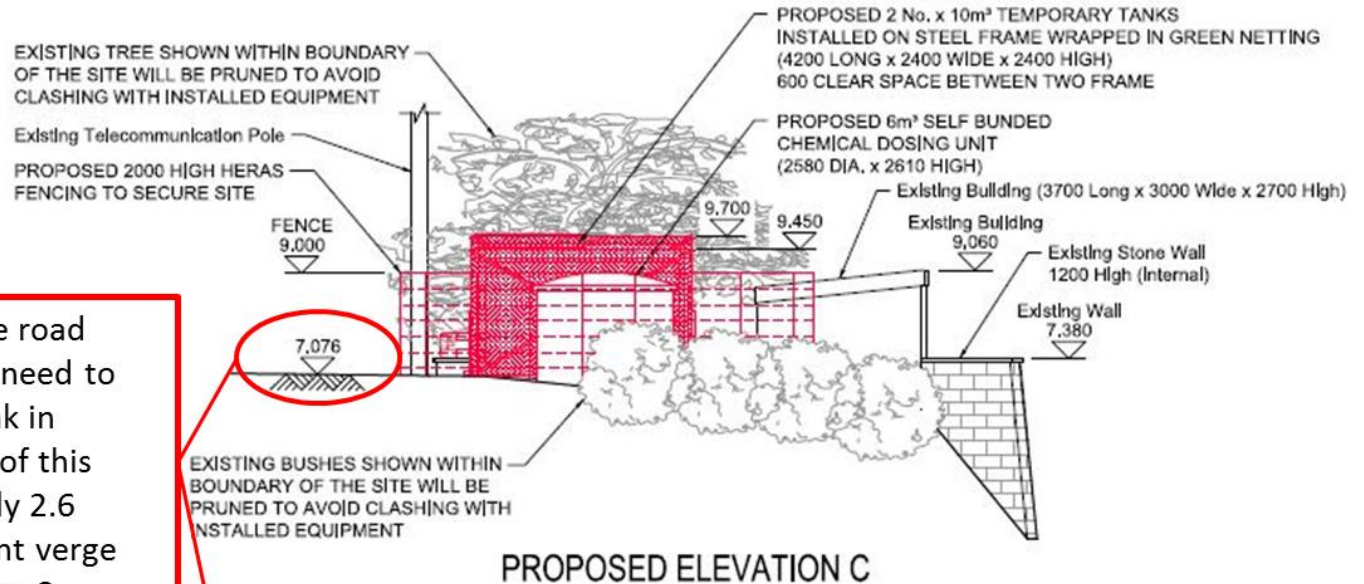
### 2) Permanent new works

- Modern, effective and proven treatment
- Able to cope with fluctuations in population
- Able to accommodate future growth

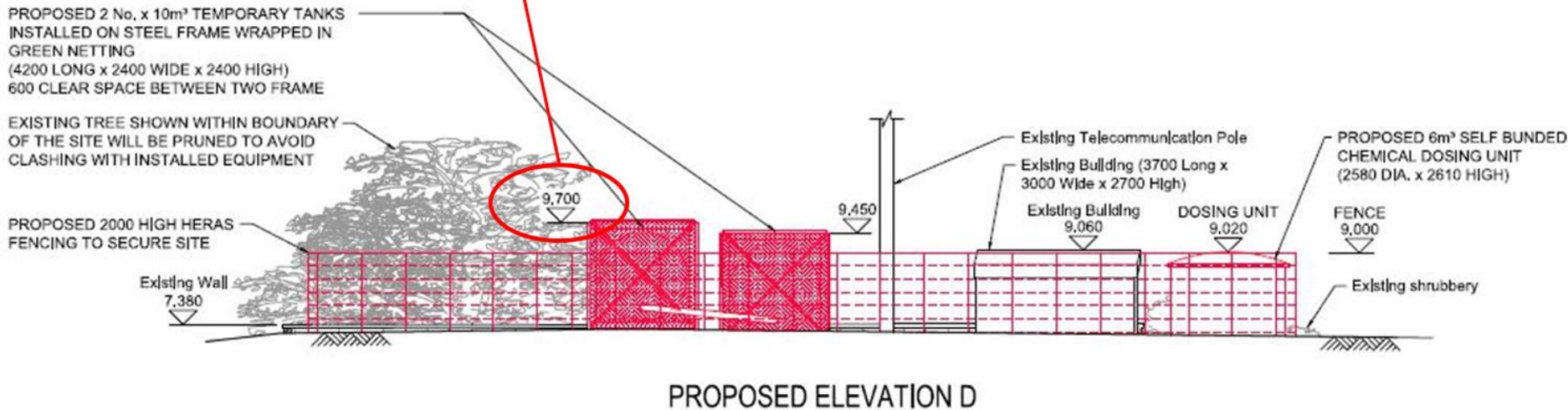
- Planning permission has been granted subject to conditions
- Temporary chemical dosing
- Proposed site set up February / March 21
- Committed to working with residents around installation and deliveries



# Proposed temporary equipment elevations with estimated height above ground level



Because the height of the road changes slightly, and the need to prop up the left hand tank in "elevation B", the height of this tank will be approximately 2.6 metres above the adjacent verge level indicated in Elevation C.



# Discussion – 10 minutes







- Site B selected
- Surveys are continuing
- We are now in the process of developing designs

- 15 responses received
  - 11 for site B
  - 2 for site A
  - 2 stated no preference
- Request for the works to be as close to the existing exchange as possible
- Main concerns included
  - Odour
  - Noise
  - Visual impact

- We have carried an odour report and modelling on our draft design
- Helps us to identify where we need to install odour management on the site
- We cannot guarantee there will be no odours, but we do commit to working to keep them to a minimum and to being transparent with what we plan to install

- We understand this is a priority
- We will carry out noise monitoring now in order to set a baseline
- We will look at technology which helps reduce the risks of noise on the site and wherever pumps are needed
- Again, we will be transparent about what we are looking to install, where we plan to install it and what we intend to do to reduce noise pollution.



# View from above the road



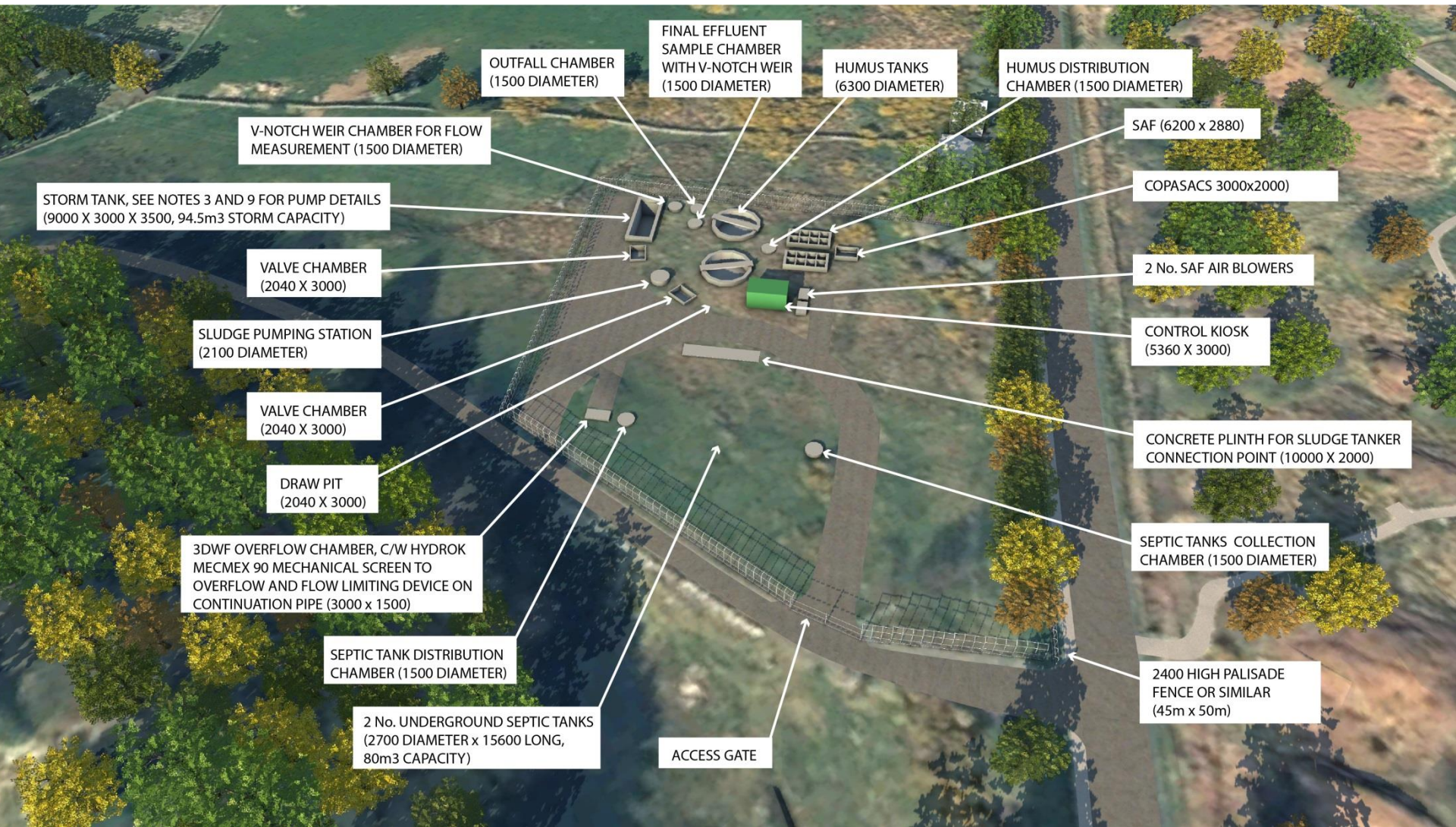


# View from above and behind





# How the site will work – Sharon McCaffrey



\*this is a draft site layout. Screening, equipment covering etc need are being reviewed

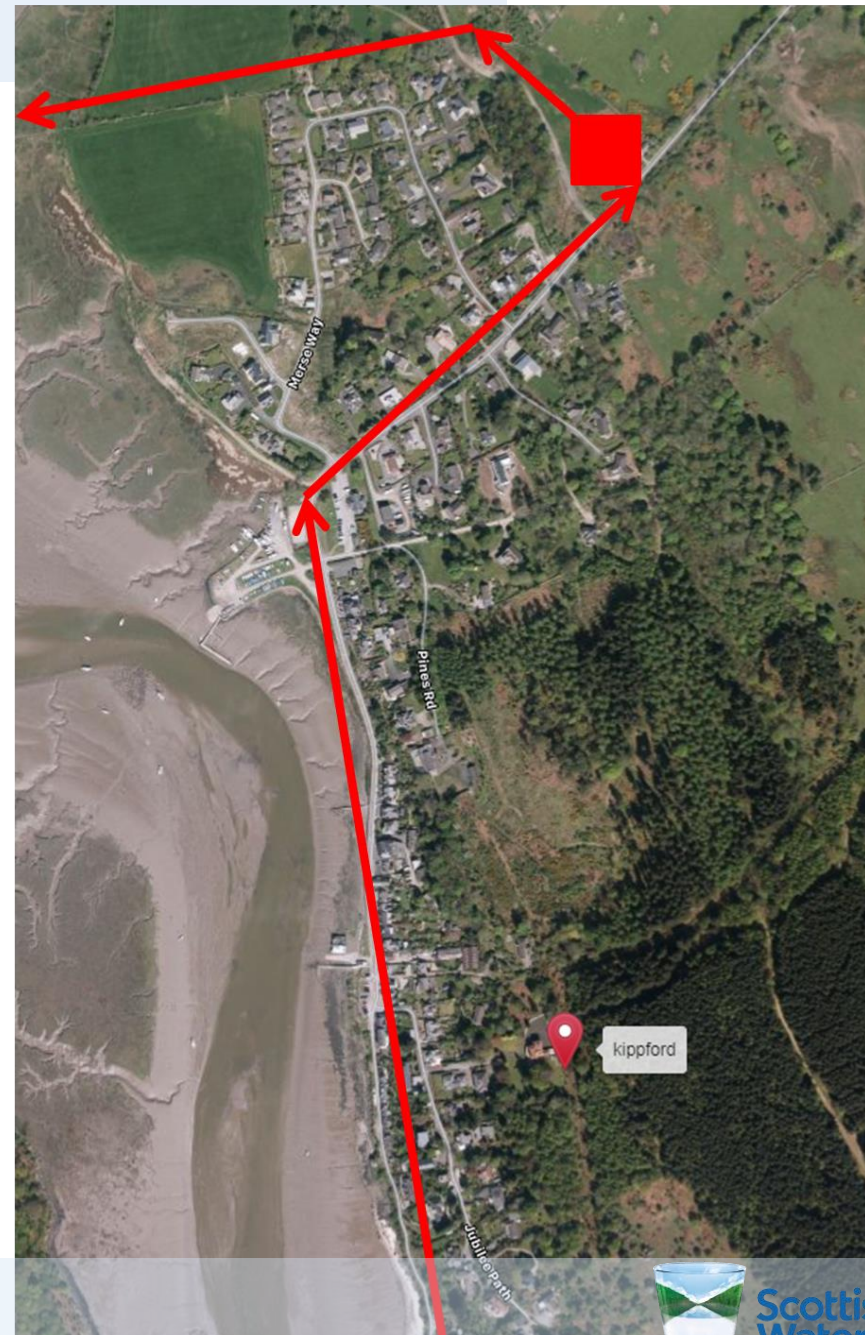


## Route of network & construction

- Waste will continue to gravitate to existing works
- It will be pumped back along the road and up the hill to the new works.
- The outfall will go out through the fields to the north of Merse Way

### Impact on the community

- Traffic management
- Construction traffic
- Construction noise



# Further information



\*The outfall route is being reviewed along with the pumping arrangements



### For the project

- Programme of dates to be developed and shared
- Pipe and pumping arrangements to continue and be shared

### For the communications

- Design and landscaping discussions
- Preferred methods of engagement
- Community Webinar
- Kippford webpage